

5 CLAIMS

What is claimed is:

1. A method for providing extensible client address book functions using
10 a distributed computer network comprising:
 - a) receiving a request for address book functions from a client;
 - b) accessing a Java server page corresponding to the request;
 - c) accessing a plurality of tags contained within the Java server page;
 - d) processing the Java server page using the tags to access an address
15 book server for providing the address book functions; and
 - e) transmitting the processed Java server page, including address book
information responsive to the request, to the client.
2. The method of Claim 1 further comprising:
20 accessing the Java server page corresponding to the request, wherein
the Java server page is retrieved from a set of compiled Java server page
classes.
3. The method of Claim 1 wherein the tags contained within the Java
25 server page are configured to provide access to address book functions provided
by the address book server.
4. The method of Claim 1 further comprising:
providing extended address book functions by accessing a plurality of
30 extended tags contained within the Java server page, wherein the address book

CONFIDENTIAL

- 5 functions are extended by adding the extended tags corresponding to new address book functionality of the address book server.

5. The method of Claim 1 further comprising:

- transmitting the processed Java server page to the client in accordance
10 with WAP (wireless application protocol) communication standards.

6. The method of Claim 1 further comprising:

transmitting the processed Java server page to the client in accordance
with WML (wireless markup language) communication standards.

15 7. A method for generating an extended Java server page for providing extensible client address book functions comprising:

- a) invoking a Java server page using a page editor application to
generate a new Java server page;
20 b) specifying a command tag to build or reference a collection of objects;
c) specifying a collection tag that provides access to the collection;
d) specifying a bean tag to access individual objects inside the collection
of objects, wherein the command tag, the collection tag, and the bean tag are
configured to provide access to address book functions of an address book
25 server; and
e) saving the new Java server page.

8. The method of Claim 7 wherein the new Java server page includes
HTML content and the tags from b), c), and d).

CONFIDENTIAL

5 9. The method of Claim 8 wherein the tags are configured to provide
dynamic content for the Java server page.

10 10. The method of Claim 8 further comprising:
customizing the new Java server page by customizing the tags.

11. The method of Claim 7 wherein the tags from b), c), and d) are
selected from a tag library configured to provide access to a plurality of
functions of the address book server.

15 12. A system for providing extensible client address book functions
using a distributed computer network comprising:

20 a computer system having a processor coupled to a memory via a bus,
the memory having computer readable code which when executed by the
processor cause the computer system to implement a method for providing
extensible client address book functions, comprising:

25 a) receiving a request for address book functions from a client;
b) accessing a Java server page corresponding to the request;
c) accessing a plurality of tags contained within the Java server
page;

d) processing the Java server page using the tags to access an
address book server for providing the address book functions; and

e) transmitting the processed Java server page, including
address book information responsive to the request, to the client.

30 13. The system of Claim 12 further comprising:

CONFIDENTIAL

5 accessing the Java server page corresponding to the request, wherein
the Java server page is retrieved from a set of compiled Java server page
classes.

10 14. The system of Claim 12 wherein the tags contained within the Java
server page are configured to provide access to address book functions provided
by the address book server.

15 15. The system of Claim 12 further comprising:
providing extended address book functions by accessing a plurality of
extended tags contained within the Java server page, wherein the address book
functions are extended by adding the extended tags corresponding to new
address book functionality of the address book server.

20 16. The system of Claim 12 further comprising:
transmitting the processed Java server page to the client in accordance
with WAP (wireless application protocol) communication standards.

25 17. The system of Claim 12 further comprising:
transmitting the processed Java server page to the client in accordance
with WML (wireless markup language) communication standards.